

IN THE CLAIMS:

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Claims 1-36 (canceled)

Claim 37. (New) A digital camera, comprising:
an imaging device for imaging a subject and outputting first image data having a first resolution;
a first writer for intermittently writing a first memory the first image data outputted from said imaging device;
a generator for generating second image data having a second resolution which is lower than the first resolution based on the first image data outputted form said imaging device; and
a second writer for writing the second image data generated by said generator to said first memory at intervals of writing by said first writer.

Claim 38. (New) A digital camera according to claim 37, wherein said imaging device outputs the first image data in a raster scan manner.

Claim 39. (New) A digital camera according to claim 38, wherein said second writer writes the second image data to said first memory during a horizontal blanking period of the first image data.

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Claim 40. (New) A digital camera according to claim 38, wherein the first image data has horizontal lines of a first number, the second image data has horizontal lines of a second number which is smaller than the first number, and said second writer writes to said first memory, at every time the first image data corresponding to horizontal lines of a third number which is smaller than the first number is written to said first memory, the second image corresponding to horizontal lines of a fourth number which is smaller than the second number.

Claim 41. (New) A digital camera according to claim 40, wherein the horizontal lines of the fourth number forming the second image data corresponds to the horizontal lines of the third number forming the first data.

Claim 42. (New) A digital camera according to claim 40, wherein further comprising a vertical counter to count the number of pixels of the first image data outputted from said imaging device in a vertical direction so as to output a vertical count value.

Claim 43. (New) A digital camera according to claim 42, wherein said generator includes an extractor for extracting pixel data from the first image data based on the vertical count value.

Claim 44. (New) A digital camera according to claim 43, wherein said extractor includes a plurality of registers for shifting the first image data at every predetermined amount, and an activator for intermittently activating said plurality of registers based on the vertical count value.

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Claim 45. (New) A digital camera according to claim 42, further comprising a second memory for hold the second image data generated by said generator, wherein said second writer transfer the second image data corresponding to the horizontal lines of fourth number from said second memory to said first memory to said first memory when said vertical counter has counted the third number.

Claim 46. (New) A digital camera according to claim 37, further comprising a recorder for recording the first image data and the second image data stored in said first memory to a recording medium.